

MHSA Science Vocabulary/Terminology Guidance 2009-2010

		Grade 8	Grade 11
The vocabulary and terminology contained in these two rows may be translated for ELL students for whom MHSA approved accommodation P11 – “Using simplified English for non-content specific terms” has been authorized.	Direction words and phrases	compare (similarities and differences) conclude describe explain (process, similarities, differences) identify list provide the one that best ... provide the most likely sort	compare (similarities and differences) conclude describe discuss explain (process, similarities, differences) from the perspective of... identify list provide the one that best ... provide the most likely sort support with respect to...
	Organisms and Environments	In addition to the Grade 5 list: <ul style="list-style-type: none"> extinct organisms and fossils including horse, trilobite, ferns common elements, mixtures, compounds, and periodic table groups including calcium, potassium, carbon dioxide, water, noble gases food webs of common biomes organ systems including circulatory, digestive, nervous, respiratory, skeletal	In addition to the Grade 8 list: <ul style="list-style-type: none"> common reactions including balanced equations and radioactive decay common cell parts including mitochondrion, nucleus, ribosome, Golgi Apparatus, cytoplasm, chloroplasts
	Any terms used in the Maine Learning Results may appear on the	In addition to the Grade 5 list: absorb accelerate amplitude celestial bodies chloroplast	In addition to the Grade 8 list: astronomical measurement bacteria conductor conserved daughter cells

Note: This list is a guide. It is an attempt to better delineate the vocabulary demands of the MHSA science test. It is possible that it will not be considered complete by all users. Please contact Anita Bernhardt at anita.bernhardt@maine.gov with any suggestions for additions. Words and phrases from prior years may appear in tests at any grade level.

	MHSA. The words listed may need special attention or may have different meanings for science and technology than in other areas.	compound condensation convection direct/indirect drag electromagnetic spectrum elements energy including mechanical, nuclear, atomic, chemical, potential, kinetic evaporation eyespot flagellum frequencies friction geological glucose impact indirect/direct inertia kinetic mass matter mesosphere microorganism Newtons nucleus oxidation property radiation rotate revolve sedimentary structural adaptation thermosphere	density diffraction diffusion dominant elliptical motion experimental conditions exploitation gene expression isotope interbreed joules limiting factor magma magnitude model mantle non-native penicillin primary recessive relative to satellite stable static theory velocity
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